Week 22 Bio2 Warmups

Identify whether each statement is true or false.

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| 1. | The phosphorus cycle does not occur in the atmosphere. |
| 2. | Excess nitrogen and phosphorus can cause algal blooms in surface waters. |
| 3. | Plants help the carbon cycle because they have special bacteria that live in their roots. |
| 4. | Plants and animals exchange carbon dioxide with the atmosphere in the short-term carbon cycle. |
| 5. | The largest reservoir of carbon is litter and waste. |

Succession occurs because new species make the environment less suitable for previous ones. Give an example of this.

From the list below, select those items that you would be likely to find in soil formed during **primary succession**.

1. Dust
2. Broken rock
3. Maple leaves
4. Strawberries
5. Dead lichens
6. Decayed bacteria

Match each description with the correct term.

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| 1. | plants with root nodules containing nitrogen-fixing bacteria | a. | lichens |
| 2. | causes by nitric oxide released by burning fuel | b. | legumes |
| 3. | pioneer species that breaks down rocks | c. | pioneer species |
| 4. | result of excessive fertilizer containing nitrogen & phosphorus entering water bodies | d. | acid precipitation |
| 5. | first species to colonize a newly available area | e. | algal bloom |

List two ecosystem benefits of fire.